

## AMENDMENTS TO CLAIMS

1. (previously canceled) A method of associating a connection in a proximal plug on a mapping catheter with an electrode associated with a wire on the distal end of said mapping catheter, the method comprising the steps of:
  - a) applying an electrical voltage to a connection in said proximal plug;
  - b) detecting the resultant electrical voltage on the corresponding wire electrode site at said distal end of said mapping catheter; and
  - c) identifying and associating the electrode with the complimentary proximal plug connection.
2. (previously canceled) A method of associating a connection in a proximal plug on a mapping catheter with an electrode associated with a wire on the catheter, the method comprising the steps of:
  - d) applying an electrical voltage to the electrode;
  - e) detecting the electrical voltage on the proximal plug connection; and
  - f) identifying and associating the proximal connection with the corresponding complimentary electrode.
3. (twice amended) A method of finding the electrical pin out of a mapping catheter of the type having a [of the] proximal connector (79), said connector having a plurality of proximal connections associated with each of several wires (93-96) of a catheter of the type having multiple insulated wires (93-96) forming a braid (75) comprising the steps of:
  - a) exposing the braid;
  - b) applying high voltage electrical energy to one of said proximal connections;
  - c) detecting the presence of said high voltage electrical energy, on a specific wire in said braid thereby determining the location of the wire in the braid;
  - d) applying a higher voltage to the location to form an electrode site by breaking down the insulation at said site.